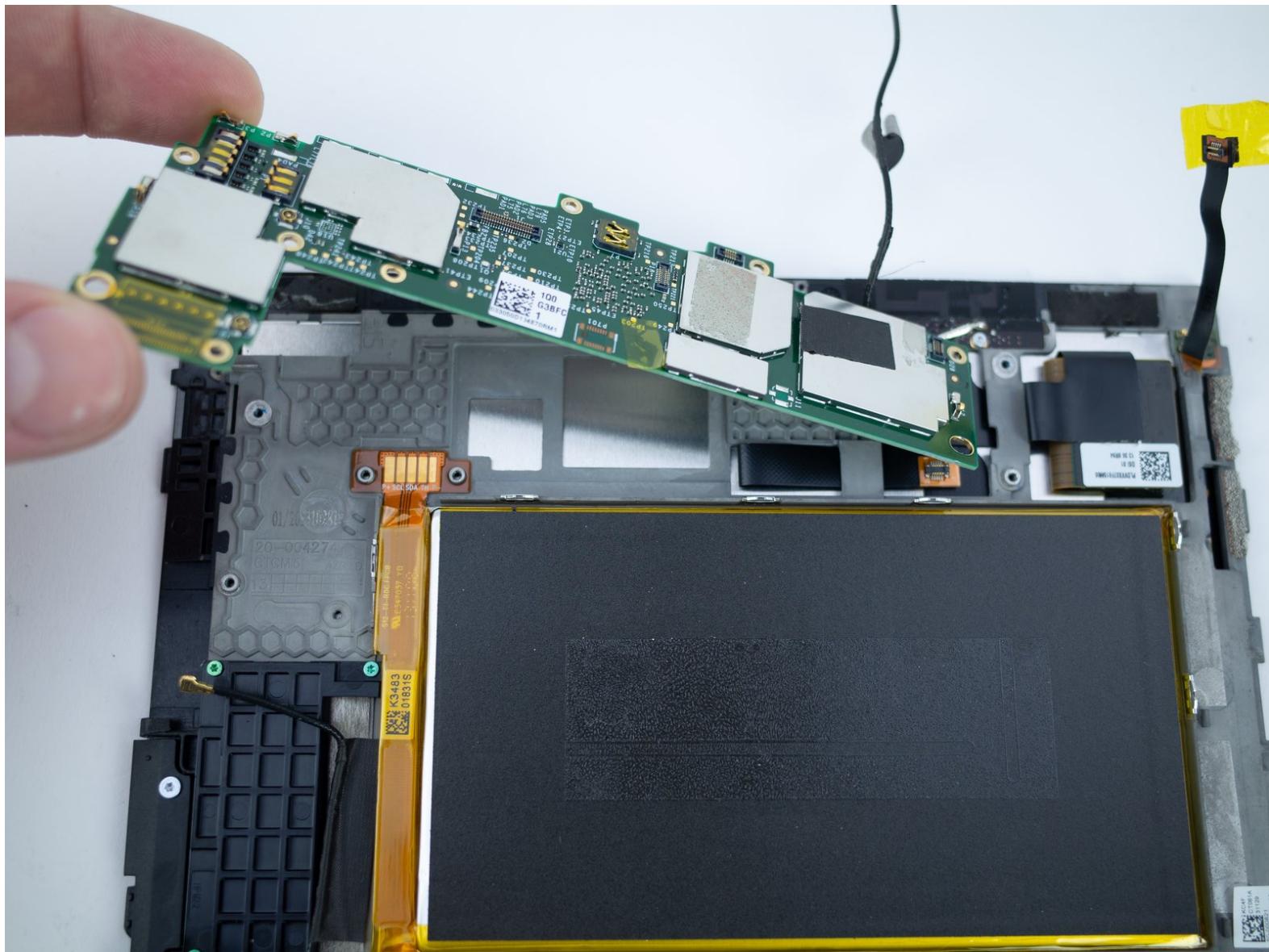




Kindle Fire HDX 7" Motherboard Replacement

A free guide on how to replace the motherboard on a Kindle Fire HDX 7" tablet.

Written By: Blake Klein



INTRODUCTION

Replacement guide for the motherboard on a Kindle Fire HDX 7" tablet.

The battery can only be disconnected once the motherboard is removed. Be careful not to cause a short with metal tools around the components on the motherboard.

TOOLS:

- [iOpener Kit](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Spudger](#) (1)
- [ESD Safe Tweezers Blunt Nose](#) (1)
- [T3 Torx Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)

PARTS:

- [Kindle Fire HDX 7" Motherboard](#) (1)

Step 1 — Speaker Bezel



- Insert an opening pick underneath the speaker bezel, and slide it along the perimeter to separate it from the tablet.
- *i* The adhesive is strong and may require an [iOpener](#), or heat gun, to soften.

Step 2



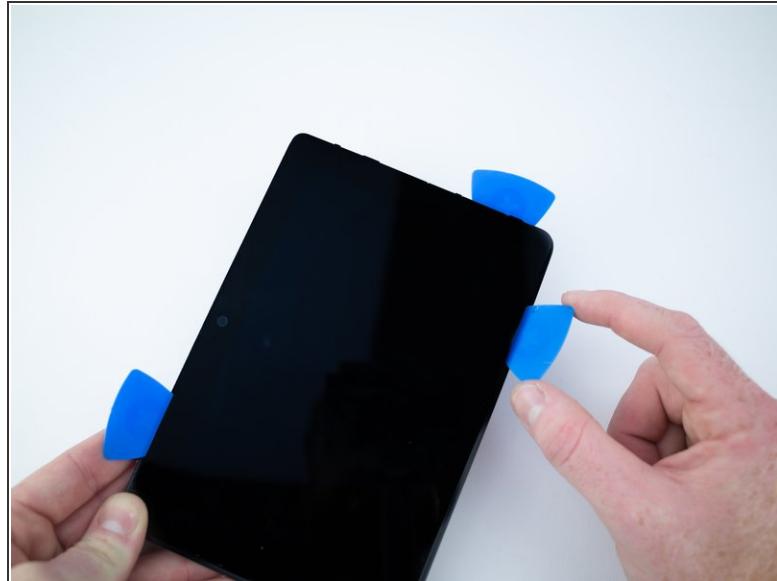
- Remove the speaker bezel.

Step 3 — Rear Panel



- Remove the six pink 3mm T3 Torx screws from the back case.

Step 4



- Wedge opening picks around the perimeter between the display and back case.
- Work the opening picks around the perimeter until the two halves disengage from each other.

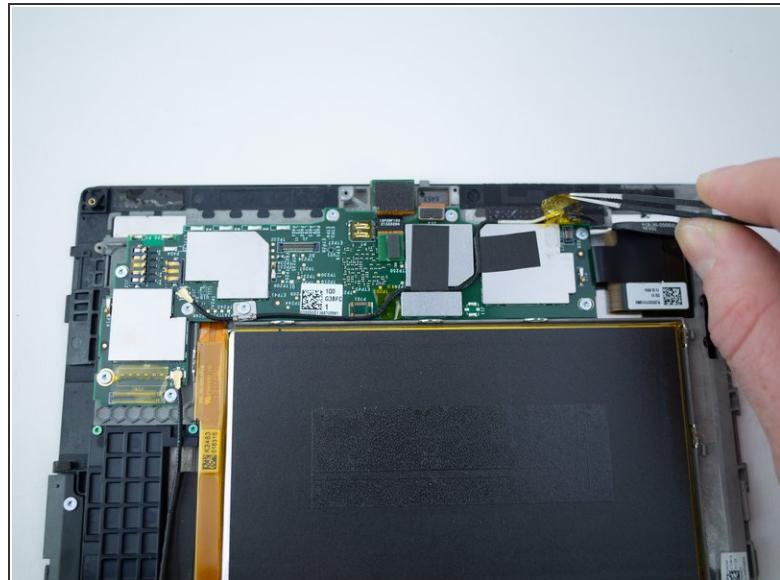
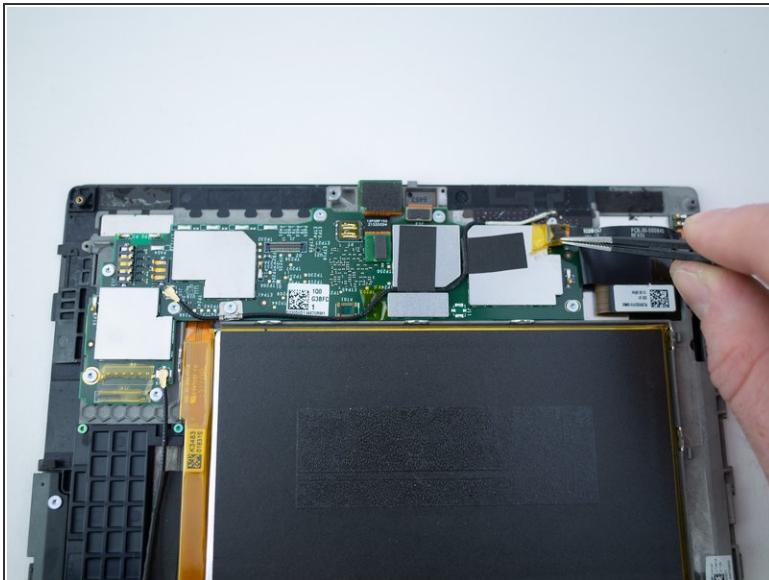
⚠ Don't completely separate as the display ribbon cable still connects the two.

Step 5



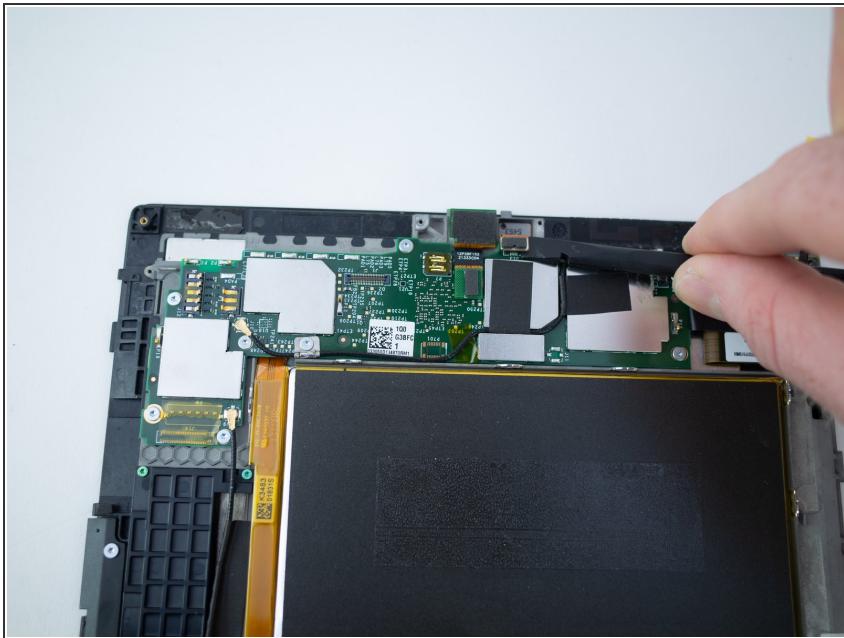
- Use the flat end of a spudger to pry up and disconnect the rear panel press-fit connector from the motherboard.

Step 6 — Motherboard



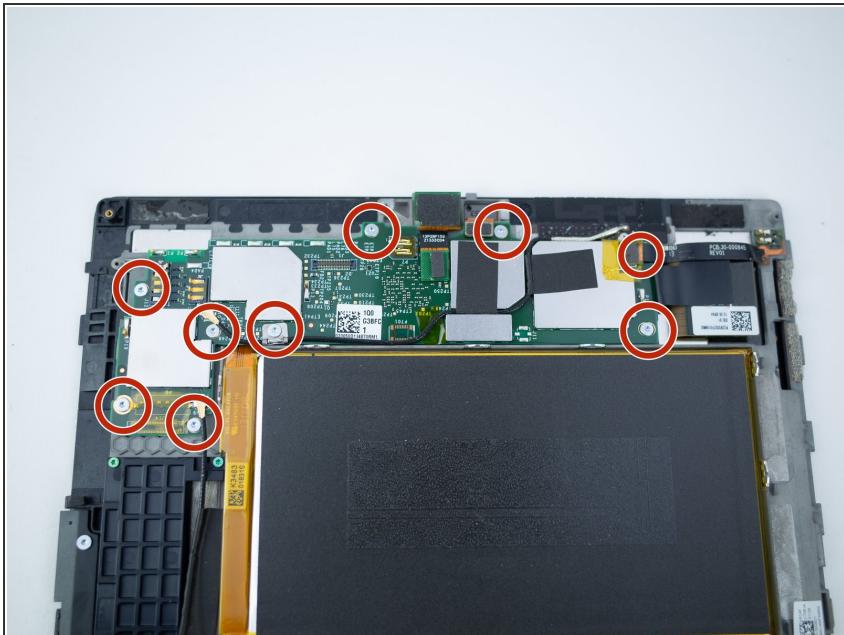
- Grab the yellow tape with a pair of tweezers and pull upwards to disconnect the press-fit connector.

Step 7



- Use the flat end of a spudger to disconnect the front camera press-fit connector from the motherboard.

Step 8



- Remove the nine 3mm T6 Torx screws from the motherboard.

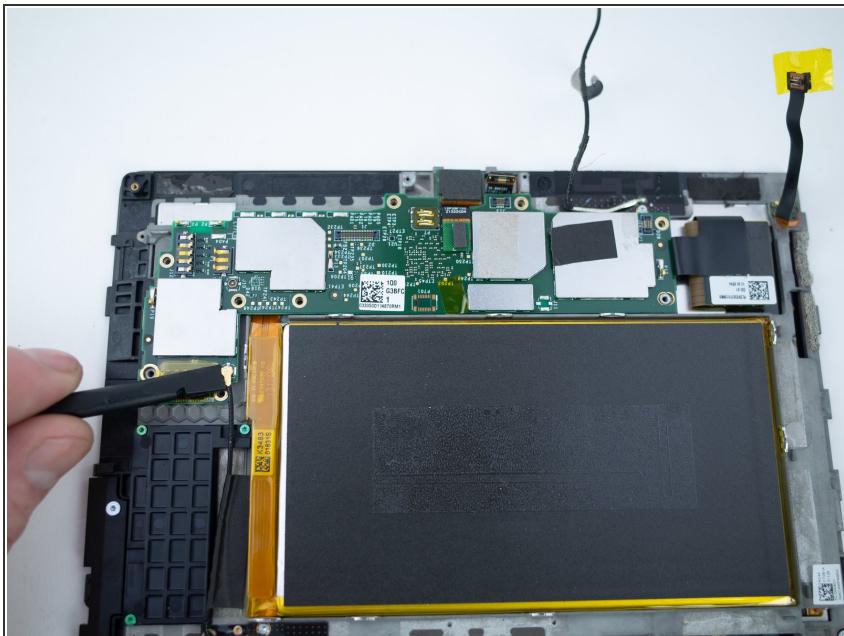
Step 9



- Use a spudger to pry up and disconnect the antenna cable from the motherboard.
- Pull the antenna cable up and off of the motherboard.

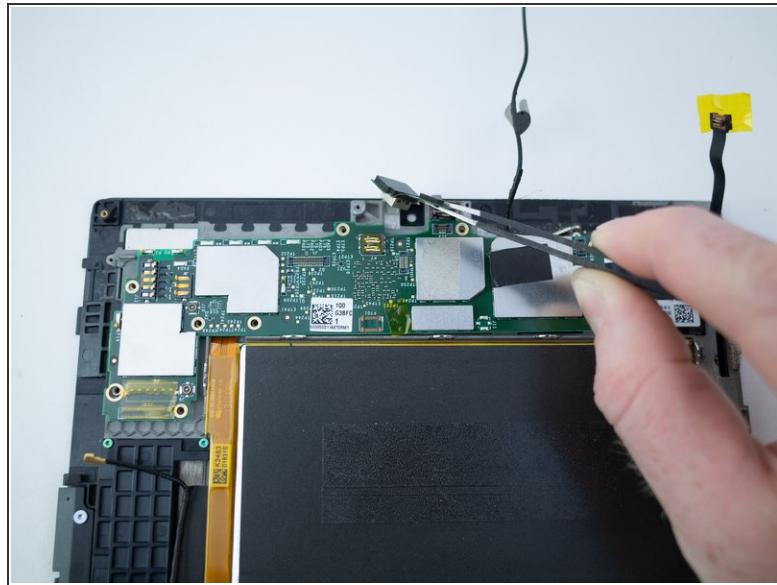
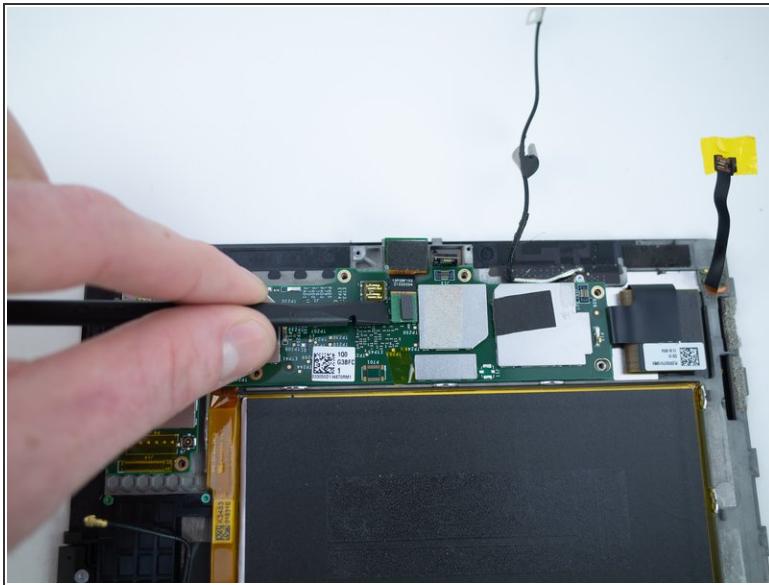
 Don't remove completely as it's soldered to the frame.

Step 10



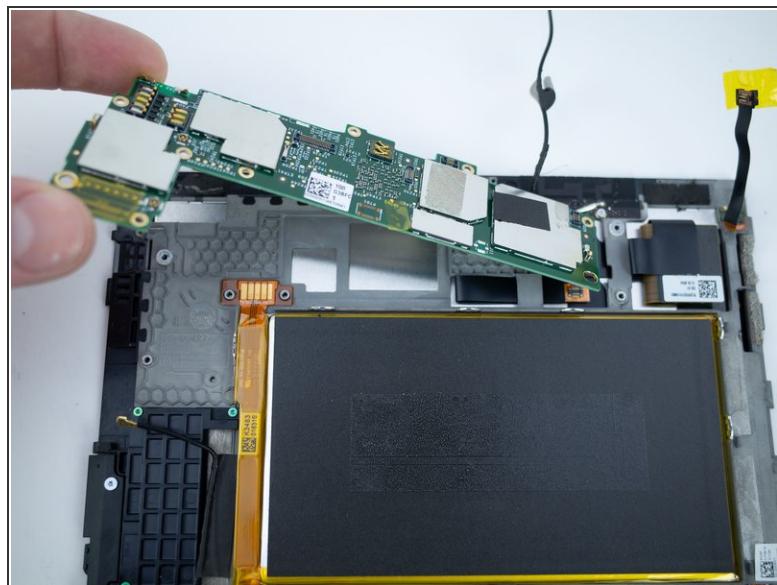
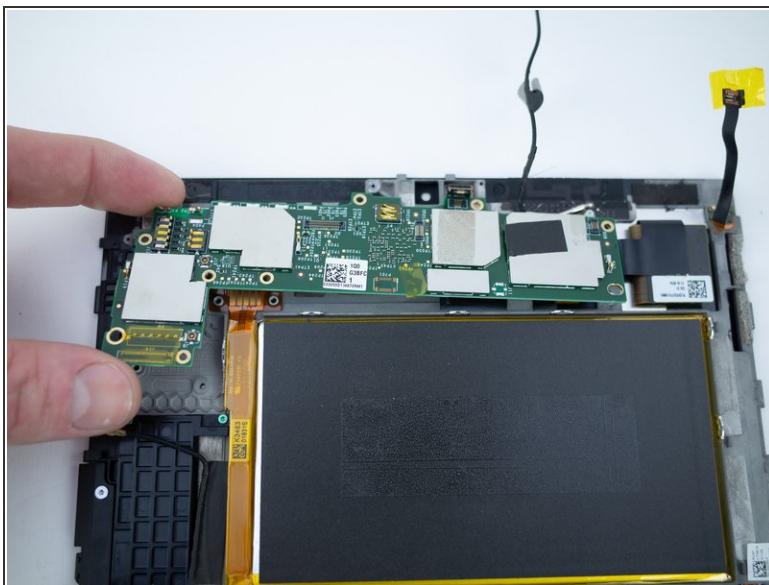
- Use a spudger to disconnect the second antenna cable from the motherboard.

Step 11



- Use the flat end of a spudger to pry up and disconnect the front camera press-fit connector from the motherboard.
- Remove the front camera.

Step 12



- Remove the motherboard from the tablet.

To reassemble your device, follow these instructions in reverse order.